

WITH
PERIODICALS

MONTANA OIL AND GAS STATISTICAL BULLETIN

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OIL AND GAS CONSERVATION COMMISSION

SAVINGS BLDG.
HELENA, MONTANA

VOL. IX., No. 3.

THURBER'S HELENA

MARCH, 1961.

Production of crude oil and condensate from the oil and gas areas of Montana for the Month of March, 1961, averaged 81,457 barrels daily, a decrease of 1,748 barrels from the average February production of 83,205.

The nine refineries in the State processed 67,675 barrels of crude oil daily for the month of March, 1961, an increase of 7,196 barrels from the 60,479 barrels processed daily during the month of February, 1961.

During March, 29 wells were completed, 17 oil, 0 gas wells and 12 dry holes.

During March the Commission issued 25 permits to drill new wells, an increase of 4 from the 21 permits issued during February.

SUMMARY OF CRUDE OIL PRODUCTION, REFINING, STORAGE, ETC., IN MONTANA

MONTH OF MARCH, 1961	
IN STORAGE MARCH 1st:	
By Producers	353,799
By Transporters	658,766
By Refiners	722,792
TOTAL STORAGE	1,735,357
Produced in Montana During Month	2,525,184
Imported During Month	1,261,707
TOTALS	5,522,248
DISPOSITION:	
Refined in Montana	2,097,930
Exported	1,715,403
Used for Fuel or Lost	2,835
TOTAL	3,816,168
IN STORAGE MARCH 31st:	
By Producers	348,087
By Transporters	721,005
By Refiner	636,988
TOTAL STORAGE	1,706,080

NATURAL GAS WITHDRAWALS IN MONTANA

Month of March, 1961

Field	M Cu. Ft.
Bears Den	0
Big Coulee	86,382
Bowdoin	442,399
Bowes	94,270
Box Elder	22,340
Cabin Creek	96,164
Cedar Creek	436,485
Clarks Fork	1,819
Cut Bank (including Reagan)	1,224,340
Devon	0
Dry Creek	154,714
Elk Basin	30,739
Flat Coulee	16,010
Golden Dome	0
Grandview	0
Hardin	5,048
Keith Block	233,594
Kevin Sunburst	84,181
Pine	72,480
Plevna	15,514
Utopia	63,667
Whitlash	91,814
Miscellaneous	52,235
TOTAL	3,224,195

Total Withdrawals for March, 1960
were 4,147,562 M Cu. Ft.

**TRANSPORTERS REPORT
MONTH OF MARCH, 1961**

	Storage First of Month	OIL RECEIVED BY			Loss or Gain	OIL SHIPPED TO			Storage End of Month
		Pipeline	Truck	Connecting Carrier		Montana	Other States	Connecting Carrier	
ASH CREEK—Truck			2,615				2,615		
BANNATYNE—Truck			2,440			2,440			
BELFRY—Truck			1,631				1,631		
BIG WALL—Truck			22,933			22,933			
BLACKFOOT—Union Oil Co.			8,130			8,130			
BORDER—Truck			190			190			
BOWES—									
Trigood Oil Co.	2,791	2,573			86	2,946			2,332
Texaco, Inc.		17,541				17,541			
	2,791	20,114			86	20,437			2,332
BRORSON—Sun Oil Co.		3,322					3,322		
CABIN CREEK & OTHERS*									
Butte Pipe Line Co.	305,053	931,620		568,423			1,475,595		329,511
Shell Pipe Line Corp.	1,824	159,391			(256)			158,381	3,090
	306,887	1,091,011		568,423	(256)		1,475,595	158,381	332,601
CAT CREEK—									
Continental Pipe Line Co.	3,379	16,737			(51)	18,321			1,846
Truck			4,050			4,050			
	3,379	16,737	4,050		(51)	22,371			1,846
CLARK'S FORK—Truck			3,000				3,000		
CUT BANK—									
Big West Oil Co.				20,468		20,468			
Darling Gathering System, Inc.	1,830	8,894			(1)			8,769	1,956
Phillips Petroleum Co.	103,994	61,811		9,385	83	69,104		9,385	96,618
Texas Pipe Line Co.	22,911	28,424		3,832	190			35,418	19,559
Toronto Pipe Line Co.	33,087	43,737			(161)			23,590	53,405
Union Oil Co.	71,903	70,307		24,036	(445)	83,080			83,611
	233,725	213,173		57,721	(334)	172,652		77,152	255,149
DELPHIA—Truck			1,257				1,257		
DRY CREEK—									
Marathon Pipe Line Co.	6,587	2,067			(150)			2,901	5,903
DWYER—Truck			24,526				24,526		
ELK BASIN—Ohio Oil Co.		205,140					205,140		
FRANNIE—Ohio Oil Co.		1,573					1,573		
GAGE—Truck			732				732		
GLENDIVE, DEER CREEK, WOODROW & SAND CREEK—									
The Texas Pipe Line Co.	13,190	66,971			543	7,925		63,063	8,630
HIBBARD—Truck			3,156				3,156		
IVANHOE—Truck			37,741				37,741		
KEG COULEE—									
Truck			49,051				49,051		
KEVIN-SUNBURST—									
Big West Oil Co.	2,078	39,747				38,840			2,935
Homestake Oil & Gas Co.	945	3,348		8,769	(1)	9,923			3,140
The Texas Pipe Line Co.	5,696	35,429			(3)	22,873		12,559	5,696
	8,719	78,524		8,769	(4)	71,636		12,559	11,821
MELSTONE—Truck			5,442			5,442			
MOSSER—Truck			534				534		
PONDERA—Phillips Petr. Co.	36,512	46,479			(56)	26,793			56,549
POPLAR, BREDETTE, OUTLOOK, SOUTH OUTLOOK, REDSTONE, RICHEY & TULE CREEK									
East Poplar Gathering System	14,005	322,351			(57)			320,857†	15,556
RAGGED POINT—Truck			10,954			10,954			
REAGAN—Union Oil Co.		12,140				12,140			
RED CREEK—Truck			26,985			4,198	22,787		
SIDNEY—Sun Oil Co.		2,088					2,088		
SNYDER—Truck			1,785				1,785		
SOAP CREEK—Truck			4,573				4,573		
SUMATRA AND STENSVAD—									
Crude Oil Pipeline, Inc.	25,551	23,929			(972)	29,334			21,118
Truck			291,245				291,245		
	25,551	23,929	291,245		(972)	29,334	291,245		21,118
SWEETGRASS HILLS—Truck			4,020			4,020			
WHITLASH—									
Homestake Oil & Gas Co.	188								188
Truck			1,246			1,246			
	188		1,246			1,246			188
WOLF SPRINGS—									
Crude Oil Pipeline, Inc.	6,932	25,103			930	21,793			9,312
TOTALS	658,766	2,130,722	508,236	634,913	(321)	444,689	2,132,351	634,913	721,005

*Cabin Creek, Cupton, Fertile Prairie, Gas City, Little Beaver, East Little Beaver, Monarch, Pennel, Pine, Repeat, Richey, Southwest Richey and Wills Creek Fields. †Transferred to Butte Pipe Line Co.

**PRODUCER'S REPORT
MONTH OF MARCH, 1961**

Leases	Field	No. of Wells	Storage 1st of Month	Oil Produced	Oil Shipped By		Used or Lost	Storage End of Month
					Pipeline	Truck		
4	Ash Creek	4	711	2,436		2,615		532
5	Bannatyne	13	1,715	1,753		2,440		1,028
1	Belfry	1	258	1,571		1,631		198
8	Big Wall	25	5,413	21,645		22,933	57	4,068
11	Blackfoot	15	4,618	7,569		8,130	37	4,020
1	Border	1		190		190		
21	Bowes	73	3,431	21,851	20,114		12	5,156
	Bredette		1,113					1,113
2	Bredette, North	2	1,360	667	1,213			814
2	Brorson	2	3,029	2,116	3,322			1,823
2	Cabin Creek	104	5,969	379,428	377,280		766	7,351
23	Cat Creek	93	3,978	21,927	16,737	4,050		5,128
	Clark's Fork		183					183
1	Clark's Fork, North	2	2,479	3,000		3,000		2,479
1	Cupton	2	886	1,116	946			1,056
368	Cut Bank	1,095	126,849	177,377	182,556		43	121,627
3	Deer Creek	6	1,195	18,321	17,902			1,614
2	Delphia	2	808	1,232		1,257		783
	Devil's Basin		889					889
4	Dry Creek	4	855	2,459	2,067			1,247
5	Dwyer	5	3,305	23,662		24,526	10	2,431
7	Elk Basin	55	2,871	204,834	205,140		236	2,329
1	Fertile Prairie	6	517	600	600			517
2	Frannie	2	305	1,635	1,573			367
2	Gage	2	988	798		732		1,054
4	Gas City	10	2,202	19,449	17,140			4,511
6	Glendive	11	5,479	31,018	32,544			3,953
4	Gypsy Basin	4	836	723	547			1,012
2	Hibbard	2	903	3,092		3,156		839
10	Ivanhoe	18	6,553	39,293		37,741		8,105
4	Keg Coulee	8	4,260	49,449		49,051		4,658
193	Kevin Sunburst	1,169	17,685	65,566	67,477		5	15,769
1	Little Beaver	15	3,472	35,743	36,235			2,980
4	Little Beaver, East	11	2,659	18,911	18,813			2,757
	Mackay Dome		770					770
3	Melstone	8	2,477	4,622		5,442		1,657
5	Monarch	13	3,056	38,050	37,876			3,230
3	Mosser	5	253	615		534		334
7	Outlook	11	5,972	51,289	51,942			5,319
3	Outlook, South	3	1,634	4,258	4,035			1,857
12	Pennel	23	7,698	56,126	56,522			7,302
4	Pine	143	12,855	428,821	428,344		303	13,029
77	Pondera	306	7,949	44,081	43,492		38	8,500
7	Poplar, East	92	19,792	220,116	220,179		31	19,698
3	Poplar, Northwest	4	1,574	1,899	2,168			1,305
4	Ragged Point	9	2,468	11,274		10,954		2,788
4	Reagan	50	3,199	11,507	12,140			2,566
9	Red Creek	17	2,817	27,667		26,985		3,499
1	Redstone	1	485	1,142	1,170			457
1	Repeat	1	647	3,124	3,413			358
8	Richey	12	5,543	15,581	15,486			5,638
2	Richey, Southwest	2	2,397	4,942	4,754			2,585
4	Sand Creek	5	2,894	15,314	14,753			3,455
2	Sidney	2	3,396	1,549	2,088			2,857
2	Snyder	4	539	1,752		1,785		506
4	Soap Creek	8	1,832	5,299		4,573		2,558
9	Stensvad	25	9,555	122,793	13,231	108,619		10,498
27	Sumatra	89	16,650	193,989	10,697	182,626	92	17,224
7	Sweetgrass Hills	7	1,494	4,127		4,020		1,601
3	Tule Creek	4	1,714	33,580	33,409			1,885
3	Whitlash	3	5,573	1,246		1,246		5,573
9	Wills Creek	15	5,249	34,442	36,491			3,200
10	Wolf Springs	19	4,399	24,945	24,864			4,480
2	Woodrow	2	1,144	1,593	1,770			967
939		3,645	353,799	2,525,184	2,021,030	508,236	1,630	348,087

Total Oil Produced and Shipped from Lease	Bbbs. Produced	Daily Average	Bbbs. Shipped	Daily Average
Year, 1960	30,239,915	82,849	30,213,359	82,776
January, 1961	2,584,516	83,371	2,575,906	83,093
February, 1961	2,329,765	83,205	2,336,482	83,445
March, 1961	2,525,184	81,457	2,529,266	81,589

Oil in Storage	In Producers Field Tank	In Transporters Storage	In Refiners Storage*	Total Oil in Storage*
December, 1960	359,360	669,036	652,546	1,680,942
January, 1961	363,206	645,474	635,178	1,643,858
February, 1961	353,799	658,766	722,792	1,735,357
March, 1961	348,087	721,005	636,988	1,706,080

*Includes Wyoming Oil

BARRELS OF CRUDE OIL REFINED IN MONTANA
MONTH OF MARCH, 1961

Field	Big West Oil Co.	Continental Oil Co.	Diamond Asphalt Co.	Farmers Union	Humble Oil & Ref. Co.	Jet Fuel Refinery	Phillips Petr. Co.	Texaco Inc.	Union Oil Co.	Total
Blackfoot									9,203	9,203
Bowes			22,881							22,881
Cat Creek		18,375				4,515				22,890
Cut Bank	43,689						68,974		53,317	165,980
Delphia						1,080				1,080
Dry Creek				2,634						2,634
Elk Basin		46,049			102,349					148,398
Kevin-Sunburst	31,832									31,832
Melstone				224						224
Pondera							25,412			25,412
Reagan									206	206
Red Creek									4,198	4,198
Sumatra		609			195,357	12,952				377,537
Whitlash									698	698
Wolf Springs					23,050					23,050
Total Montana Oil	75,521	65,033	22,881	198,215	294,018	18,547	94,386		67,622	836,223
Canadian Oil Imported									1,149	1,149
Wyoming Oil Imported		387,707		306,599	566,252					1,260,558
TOTAL Mont., Canadian & Wyoming Oil	75,521	452,740	22,881	504,814	860,270	18,547	94,386		68,771	2,097,930

AVERAGE BARRELS PER DAY

	Montana	Canada	Wyoming	TOTAL
Year, 1960	28,852	56	39,406	68,314
March, 1960	29,113	13	39,174	68,300
March, 1961	26,974	38	40,663	67,675

PERCENTAGE OF CRUDE OIL REFINED

	Montana	Canada	Wyoming
Year, 1960	42.23%	.09%	57.68%
March, 1960	42.62%	.03%	57.35%
March, 1961	39.85%	.07%	60.08%